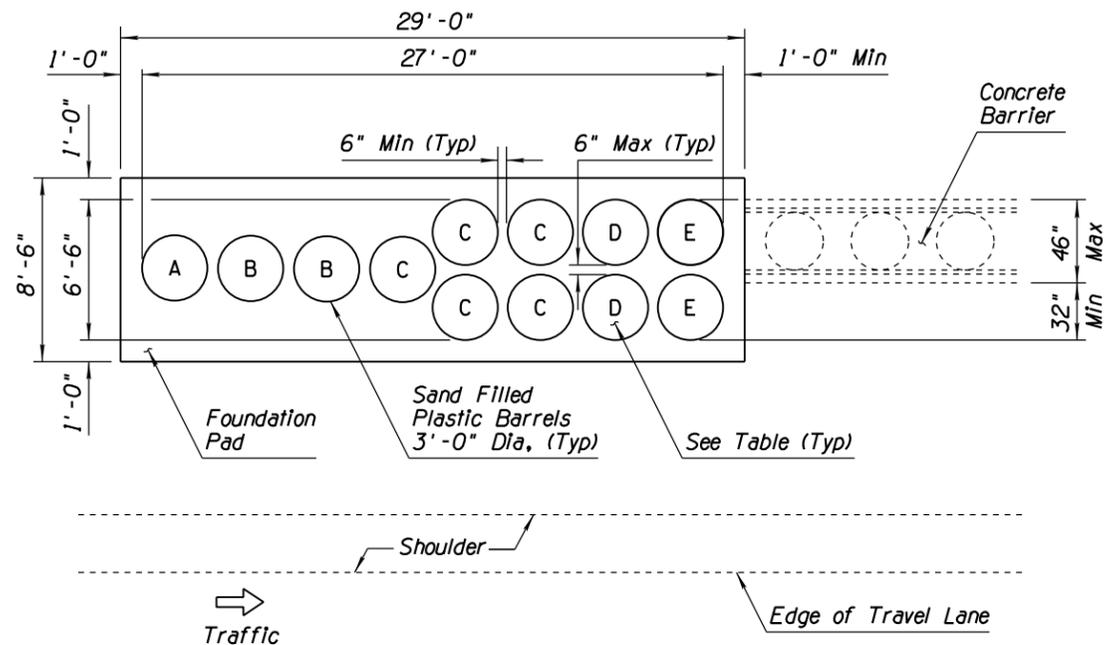
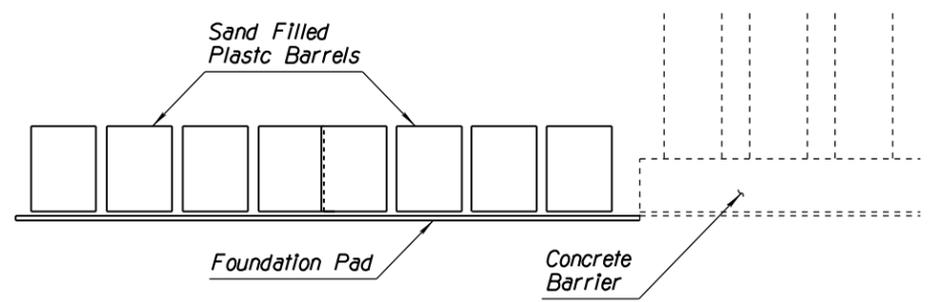


Note to Designer:  
 The information presented in this detail has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer.

PRIOR DISTRIBUTION DATE



PLAN



ELEVATION

**GENERAL NOTES:**

1. (D) Indicates total weight of sand in pounds. (See Table 1).
2. The entire area of the crash cushion installation and approaches to roadways shall be graded so that the maximum slopes do not exceed 20:1 relative to the median profile and 10:1 transversely. These slopes shall be carried out from the foundation pad until they intersect existing ground or other grading. The pad under the actual crash cushion should be as level as practical, while providing drainage.
3. See plans for site preparation details.
4. For permanent installations the foundation pad shall be a bituminous mixture with a compacted thickness of 4 inches or portland cement of any class used by ADOT - 4 inches thick. For temporary installations, the foundation pad shall be compacted fill or other suitable material.
5. All assembly, transportation to site, erection of the individual modules and the crash cushion as a whole shall be in accordance with the manufacturer's recommendations. All modules shall be from the ADOT Approved Products List.
6. The color of the outer container shall be standard yellow unless otherwise stated in project plans.
7. Layout angles may be adjusted based on engineering judgement to address site-specific conditions such as horizontal alignment.
8. Distance between barrels is measured at the top of barrel.

**TABLE 1**

A	200 Lbs
B	400 Lbs
C	700 Lbs
D	1400 Lbs
E	2100 Lbs

STANDARDS ENGINEER <b>J. C. COOPER</b> RECOMMENDED FOR APPROVAL GROUP MANAGER <b>M. DENBLEYKER</b> APPROVED APPROVED FOR DISTRIBUTION	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION <b>ROADWAY GROUP DETAIL</b>	DRAWING NO. <b>Det-10.29</b>
DATE 12/18	<b>SAND BARREL            CRASH CUSHION</b>	